



### **Clinical Application Coordinator-3 (Executive Services)**

State of Tennessee  
Department of Health  
Office of Informatics and Analytics

The Tennessee Department of Health (TDH) Office of Informatics and Analytics (OIA) is responsible for several major projects that require thoughtful acquisition, integration, analytics and visualization of public health data. These include a data-driven response to the opioid epidemic, development of an analysis and reporting approach to a new electronic medical record, and supporting a transition to increasing the types and quantity of data available for use in the department and by the public.

The Clinical Application Coordinator-3 (CAC3) will work with the OIA informatics and analytics and visualization units to lead a small team focused on data architecture and use, with an emphasis on developing solutions that are innovative, transparent and that serve the department's mission to improve the health of the public.

The CAC3 will have specific responsibility to:

- Lead design, development, and operations of the Integrated Data System (IDS) and the associated warehouse, including all documentation, with an initial focus on the opioid epidemic, but expanding to additional key use cases to serve the department.
- Collaborate with the Informatics staff and data scientists on a system that harnesses the power of the substantial available data to identify high risk prescribers and patients and provide consultation for the creation of associated dashboards and alerts for groups with the responsibility to act on observed signals
- Work with Informatics and Information Technology staff to design and develop the reporting solution and associated data architecture and processes for the new electronic health record that is currently being rolled out across the State. This work will require considerable understanding of quality improvement metrics and methods.
- Oversee development of a well-documented governance program for the Integrated Data System that takes into account all aspects of data governance from instituting standardized systematic practices and processes for the acquisition and integration of data, to data management and use, and analytics.
- Provide consultation on the development and maintenance of a public facing portal for health department data with the goal of implementing new approaches to open data that adhere to appropriate privacy and security expectations.
- Assist with the design and development of a standards based interface between Tennessee (TN) electronic health records and TDH's Prescription Drug Monitoring data housed within the Integrated Data System.

- Assist with the enhancement and maintenance of the TN Opioid Drug Overdose Surveillance System and associated processes involving the IDS.
- Explore innovative solutions for adoption with OIA to support TDH informatics and analytics activities, and assist with strategic informatics and analytics projects as appropriate.

As a member of the Office of Informatics and Analytics, informatics unit, this individual will get exposure to and experience in the use and development of interoperability standards, like Health Level 7 (HL7), and will have the opportunity to work on a wide range of informatics projects including: system integration and interoperability, electronic health record implementation, organizational data governance, and specific public health reporting projects like electronic case reporting and opioid drug overdose reporting.

With this position, there is the potential for presentation and public speaking opportunities. Informatics staff will assist with emergency response situations when necessary.

#### **Minimum Qualifications:**

**Education and Experience:** Bachelor's Degree in Computer Science with at least 2 years of experience in Structured Query Language (SQL) Server 2012 or later. Management or supervisory experience is required.

**Skills:** Stored procedure development and optimization, SQL Server Integration Services (SSIS) development, and complex query development utilizing multiple large data sources using SQL 2012 or later. Strong written and verbal communication skills required.

#### **Preferred Qualifications:**

Experience in Tableau programming and implementation, fluent in or experience with programming in other languages, preferably C# or python, experience with SQL Server Analysis Services (SSAS) and SQL Server Reporting Services (SSRS), experience using R, experience in electronic data interchange, and experience in Healthcare and Informatics preferred.

**To apply, please email a resume and cover letter to [Kathleen.Livingstone@tn.gov](mailto:Kathleen.Livingstone@tn.gov). This vacancy will remain open until it is filled. Candidates must be eligible to work in the United States.**

*Pursuant to the State of Tennessee's Workplace Discrimination and Harassment policy, the State is firmly committed to the principle of fair and equal employment opportunities for its citizens and strives to protect the rights and opportunities of all people to seek, obtain, and hold employment without being subjected to illegal discrimination and harassment in the workplace. It is the State's policy to provide an environment free of discrimination and harassment of an individual because of that person's race, color, national origin, age (40 and over), sex, pregnancy, religion, creed, disability, veteran's status or any other category protected by state and/or federal civil rights laws.*